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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/550,133	10/26/2005	Gerrit H. Verwoerd	VERWOERD 1 PCT 1283		
25889 WILLIAM CO	7590 04/12/2007	EXAMINER			
COLLARD & ROE, P.C.			LEE, GILBERT Y		
1077 NORTHE ROSLYN, NY	RN BOULEVARD		ART UNIT	PAPER NUMBER	
NOSETT, TT			3673		

SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MOI	NTHS	04/12/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application	on No.	Applicant(s)				
Office Action Summary		10/550,13	33	VERWOERD, GERRIT H.				
		Examiner		Art Unit				
		Gilbert Y.		3673				
Period fo	The MAILING DATE of this communic r Reply	ation appears on the	cover sheet with the c	orrespondence ac	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailling date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed	on						
2a) <u></u>	This action is FINAL . 2b	o) This action is n	on-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	,						
4)🖂	Claim(s) 8-13 is/are pending in the ap	plication.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
6)⊠	6)区 Claim(s) <u>8-13</u> is/are rejected.							
7)) Claim(s) is/are objected to.							
8)[]	Claim(s) are subject to restricti	on and/or election r	equirement.					
Applicati	on Papers							
9)🛛	The specification is objected to by the	Examiner.		·				
10)⊠ The drawing(s) filed on <u>21 September 2005</u> is/are: a)⊠ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (ınder 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.								
A441	was							
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
	e of References Clied (P10-692) e of Draftsperson's Patent Drawing Review (PT	O-948)	Paper No(s)/Mail Da	ate				
	3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 9/21/05. 5) Notice of Informal Patent Application 6) Other:							
Paper No(s)/Mail Date <u>9/21/05</u> . 6) Other:								

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DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because it exceeds 150 words.

Correction is required. See MPEP § 608.01(b).

2. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (I) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

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3. The disclosure is generally narrative and indefinite, failing to conform with current U.S. practice. It appears to be a literal translation into English from a foreign document and is replete with grammatical and idiomatic errors.

Claim Objections

4. The examiner is making an inquiry to claims 8-13 as to whether the applicant is claiming the subcombination of an annular gap seal as claimed in the preamble of the claims or if the applicant is claiming the combination of a valve, piston, and cylinder and an annular gap seal as claimed in the body of the claims. For the purposes of this examination, the examiner is interpreting the claims to be claiming only the subcombination of an annular gap seal. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claims 8-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Bosch (FR Patent No. 1,391,410).

Regarding claim 8, the Bosch reference, as best understood, discloses an annular gap seal (Fig. 4), two sealing rings (23 and 24) position mirror-symmetrically (Fig. 4) and a sealing surface (A) of a first sealing ring (Fig. 4),

a sealing shoulder (B) of the first sealing ring (Fig. 4), and a sealing lip (C). Note that the seal of the Bosch reference is **capable of** being used for a valve with a piston and cylinder.

Regarding claim 9, the Bosch reference, as best understood, discloses the sealing rings having a C-profile (Fig. 4).

Regarding claim 10, the Bosch reference, as best understood, discloses the annular gap seal (Fig. 4). Note that the annular seal of the Bosch reference is **capable of** being pretensioned.

Regarding claim 11, the Bosch reference, as best understood, discloses a stabilizing element (17) which may be laid in the direction of the groove with the sealing rings (Fig. 4).

Regarding claim 12, the Bosch reference, as best understood, discloses the stabilizing element being a coiled spring (Fig. 4). Note that the spring of the Bosch reference is **capable of** being inserted in a torus shape.

Regarding claim 13, the Bosch reference, as best understood, discloses the annular gap seal (Fig. 4). Note that the annular seal of the Bosch reference is **capable** of being pre-tensioned using the stabilizing element.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gilbert Y. Lee whose telephone number is 571-272-5894. The examiner can normally be reached on 8:00 - 4:30, M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia L. Engle can be reached on (571)272-6660. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

GL March 31, 2007

> Patricia Engle Supervisory Examiner Tech. Center 3600